

Malt Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
311213, Malt manufacturing	2002..	16	27	861	41 555	573	1 085	23 632	132 832	345 149	478 890	143 907
	2001..	N	N	875	38 978	599	1 165	23 019	128 869	373 805	499 759	26 997
	2000..	N	N	901	40 209	637	1 339	25 130	135 558	392 967	507 455	21 629
	1999..	N	N	866	38 139	611	1 292	23 736	106 381	356 673	484 192	21 936
	1998..	N	N	1 244	52 156	746	1 622	30 083	224 854	407 093	619 289	51 888
	1997..	19	34	1 310	55 934	912	1 767	33 673	206 717	552 171	775 316	41 101

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311213, Malt manufacturing												
United States.....	2	27	14	861	41 555	573	1 085	23 632	132 832	345 149	478 890	143 907
Minnesota	6	5	4	226	11 546	166	267	7 314	40 649	116 822	156 862	12 367
Wisconsin	—	5	5	298	15 060	213	430	9 295	44 208	114 875	156 976	4 146

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
311213, Malt manufacturing	
Companies ¹	number.. 16
All establishments ²	number.. 27
Establishments with 1 to 19 employees	number.. 13
Establishments with 20 to 99 employees	number.. 12
Establishments with 100 employees or more	number.. 2
All employees ³	number.. 861
Total compensation	\$1,000.. 57 067
Annual payroll	\$1,000.. 41 555
Total fringe benefits	\$1,000.. 15 512
Production workers, average for year	number.. 573
Production workers on March 12	number.. 582
Production workers on May 12	number.. 571
Production workers on August 12	number.. 565
Production workers on November 12	number.. 572
Production worker hours	1,000.. 1 085
Production worker wages	\$1,000.. 23 632
Total cost of materials	\$1,000.. 345 149
Materials, parts, containers, packaging, etc., used	\$1,000.. 301 848
Resales	\$1,000.. 1 114
Purchased fuels	\$1,000.. 26 455
Purchased electricity	\$1,000.. 14 022
Contract work	\$1,000.. 1 710
Quantity of electricity purchased for heat and power	1,000 kWh.. 306 362
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 478 890
Primary products value of shipments	\$1,000.. 475 986
Secondary products value of shipments	\$1,000.. D
Total miscellaneous receipts	\$1,000.. D
Value of resales	\$1,000.. D
Contract receipts	\$1,000.. -
Other miscellaneous receipts	\$1,000.. -
Primary products specialization ratio	percent.. D
Value of primary products shipments made in all industries	\$1,000.. 501 079
Value of primary products shipments made in this industry	\$1,000.. 475 986
Value of primary products shipments made in other industries	\$1,000.. 25 093
Coverage ratio	percent.. 95
Value added	\$1,000.. 132 832
Total inventories, beginning of year	\$1,000.. 130 338
Finished goods inventories	\$1,000.. 51 806
Work-in-process inventories	\$1,000.. 23 709
Materials and supplies inventories	\$1,000.. 54 823
Total inventories, end of year	\$1,000.. 129 741
Finished goods inventories	\$1,000.. 51 542
Work-in-process inventories	\$1,000.. 23 064
Materials and supplies inventories	\$1,000.. 55 135
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 479 185
Total capital expenditures (new and used)	\$1,000.. '43 907
Buildings and other structures (new and used)	\$1,000.. D
Machinery and equipment (new and used)	\$1,000.. D
Automobiles, trucks, etc., for highway use	\$1,000.. D
Computers and peripheral data processing equipment	\$1,000.. D
All other expenditures for machinery and equipment	\$1,000.. '17 311
Total retirements	\$1,000.. '29 555
Gross value of depreciable assets at end of year	\$1,000.. '493 537
Depreciation charges during year	\$1,000.. '23 558
Total rental payments	\$1,000.. 2 061
Buildings and other structures	\$1,000.. D
Machinery and equipment	\$1,000.. D
Total other expenses ⁴	\$1,000.. 32 614
Response coverage ratio ⁵	percent.. 83
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 7 162
Communications services ⁴	\$1,000.. 253
Legal services ⁴	\$1,000.. 195
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 181
Advertising and promotional services ⁴	\$1,000.. 386
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 415
Refuse removal (including hazardous waste) services ⁴	\$1,000.. D
Management consulting and administrative services ⁴	\$1,000.. D
Taxes and license fees ⁴	\$1,000.. 2 212
All other expenses ⁴	\$1,000.. 16 966

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311213, Malt manufacturing											
All establishments	2	27	861	41 555	573	1 085	23 632	132 832	345 149	478 890	143 907
Establishments with—											
1 to 4 employees	6	8	15	471	11	19	321	1 611	4 269	5 880	102
5 to 9 employees	—	2	a	D	D	D	D	D	D	D	D
10 to 19 employees	—	3	39	1 505	20	38	586	4 571	4 999	9 581	D
20 to 49 employees	—	8	275	11 907	210	421	8 158	45 339	109 031	155 887	D
50 to 99 employees	4	4	286	14 869	214	360	9 670	52 271	156 237	206 691	D
100 to 249 employees	—	2	c	D	D	D	D	D	D	D	D
250 to 499 employees	—	—	—	—	—	—	—	—	—	—	—
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	6	10	334	6	11	184	788	2 790	3 578	147

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
311213	Malt manufacturing	27	861	41 555	573	1 085	23 632	132 832	345 149	478 890	43 907
3112130	Malt	27	861	41 555	573	1 085	23 632	132 832	345 149	478 890	43 907

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311213	Malt manufacturing	2002.. N 1997.. N	X X	X X	501 079 770 420
3112130	Malt	2002.. N 1997.. N	X X	X X	501 079 770 420
31121301	Malt	2002.. N 1997.. N	X X	X X	497 742 770 420
3112130100	Malt, including barley, rye, wheat, corn, rice, malt sprouts, and malt byproducts (screenings, chaff, skimmings, etc.)	mil lb. 2002.. 15 1997.. 19	X X	S P6 294.0	497 742 770 420
3112130Y	Malt, nsk, total	2002.. N 1997.. N	X X	X X	3 337 —
3112130YWW	Malt, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X —	— —
3112130YWY	Malt, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	3 337 —

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
311213	Malt manufacturing		
00900001	Total materials .....2002..	X	301 848
	.....1997..	X	506 961
11114003	Wheat mil bushels ..2002..	.6	1 839
	.....1997..	N	N
11119911	Barley..... mil bushels ..2002..	S	295 568
	.....1997..	151.8	493 365
11110005	Other grains (excluding wheat, corn, oats, barley, rice (rough), and sorghum) mil bushels ..2002..	.1	221
	.....1997..	N	N
32222401	Bags (uncoated paper and multiwall) .....2002..	X	D
	.....1997..	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	D
	.....1997..	X	N
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	1 356
	.....1997..	X	7 241
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	2 183
	.....1997..	X	6 355

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.